

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000946

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: B27C 7/00 B23Q 3/02, 3/04 B23B 31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: B27C 7/00 B23Q 3/02, 3/04,3/18 B23B 31/02,31/34, 31/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT, B27C 7/00 B23Q 3/02, 3/04,3/18 B23B 31/02,31/34, 31/36, key words CHUK+,OFFSET+,ANG+,SLOP+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | DE 1930870 A (FORKARDT P KG) 23 December 1970 Whole document | 1-8 |
| A | US 5752706 A (HODGES) 19 May 1998 Whole document | 1-8 |
| A | GB 2272656 A (DURRANT) 25 May 1994 Whole document | 1-8 |



Further documents are listed in the continuation of Box C



See patent family annex

| | |
|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier application or patent but published on or after the international filing date | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
2 August 2004Date of mailing of the international search report
12 AUG 2004Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929Authorized officer
SARAVANAMUTHU PONNAMPALAM
Telephone No : (02) 6283 2070

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000946

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | Patent Family Member | |
|---|---------|----------------------|---------|
| DE | 1930870 | US | 3682492 |
| US | 5752706 | NONE | |
| GB | 2272656 | NONE | |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. | | | |
| END OF ANNEX | | | |